BLU-RAY DISC REWRITER | BP40NS20

OPTICAL DRIVE

Blu-ray™ Disc Rewriter

Super Multi Blue Slim Portable with 3D Blu-ray Disc Playback & M-DISC™ Support

The LG Super Multi Blue BP40NS20 slim portable Blu-ray rewriter features USB 2.0 connectivity with a 6x BD-R write speed. Simply plug in and record up to 50GB of files, photos, or business documents onto a dual layer BD-R disc. LightScribe gives you the added feature of creating customized labels that are etched onto a special coated LightScribe discs (sold separately). With Blu-ray, DVD and CD burning capabilities, the BP40NS20 gives you the option to choose the media best suited for each task.

EXTERNAL - CONNECTS VIA USB 2.0

SILENT PLAY
Reduces noise from disc spin during movie playback

SUPPORTS 3D BLU-RAY DISC PLAYBACK

ANTI-SCRATCH UV COATING

MAC COMPATIBLE

JAMLESS PLAY
Smooths out playback of damaged Blu-ray or DVD discs

6X BD-R READ AND WRITE CAPABILITY

MAX. 6X DVD±R WRITE SPEED

BLU-RAY DISC (INCLUDING BDXL), DVD (INCLUDING M-DISC & DVD-RAM), AND CD FAMILY READ/WRITE COMPATIBLE

4MB BUFFER UNDER-RUN PREVENTION FUNCTION EMBEDDED

RoHS COMPLIANT

BLU-RAY DISC				
6x	2x	4x	6x	6x
BD-R (SL/DL) MAX WRITE	BD-RE MAX WRITE	BD-R (TL) MAX WRITE	BD-R (TL) MAX READ	BD-ROM MAX READ

DVD							
8x	8x	6x	5x	8x	6x	4x	8x
DVD±R MAX WRITE	DVD+RW MAX WRITE	DVD-RW MAX WRITE	DVD-RAM MAX WRITE	DVD-ROM MAX READ	DVD±R DL MAX WRITE	M-DISC MAX WRITE	M-DISC MAX READ

CD		
24x	24x	24x
CD-R MAX WRITE	CD-RW MAX WRITE	CD-ROM MAX READ

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OPTICAL DRIVE

BP40NS20

BLU-RAY DISC REWRITER

TECHNOLOGY

THE SUPER MULTI BLUE ADVANTAGE

Multi Blue Compatibility

LG Super Multi Blue optical drives can read and write four types of disc formats in one convenient package:

1. DVD+R
2. RW DVD-R
3. RW DVD-RAM
4. Blu-Ray Disc

This gives you the option to choose the media best suited for each task.

Blu-Ray

Blu-ray Disc is the next generation in optical storage, offering 25GB and 50GB of storage capacity on a disc.

BDXL™

The BDXL format supports high-capacity blu-ray discs (up to 128GB write-once discs) for users that need to store a large amount of data.

M-DISC™

Compared to other recordable DVDs on the market today, M-DISC offers superior reliability in data storage that provides the permanent optical data storage solution.

Silent Play

As a disc is being read, Silent Play technology automatically controls the disc read speed for optimal noise reduction.

Jamless Play

A damaged disc can cause interruptions during movie playback. Jamless play technology automatically skips past damaged parts of a disc to maintain smooth playback while reducing interruptions.

SPECIFICATIONS

TECHNICAL SPECIFICATIONS

TYPE	Portable Blu-ray Disc Rewriter	
TRANSFER RATES–WRITE (MAX)	BD-R (SL)	2x CLV, 4x PCAV, 6x CAV
	BD-R(DL)	2x CLV, 4x PCAV, 6x CAV
	BD-R (TL)	2z CLV, 4x ZCLV
	BD-R (LTH)	2x CLV, 4x PCAV, 6x CAV
	BD-RE (SL/DL/TL)	2x CLV / 2X CLV / 2x CLV
	DVD-R (SL/DL)	2x CLV, 4x PCAV, 8x CAV/ 2x CLV, 4x, 6x ZCLV
	DVD+R (SL/DL)	2.4x CLV, 4x PCAV, 8x CAV/ 2.4x CLV, 4x, 6x ZCLV
	DVD-RW	1x, 2x CLV, 4x, 6x ZCLV
	DVD+RW	2.4x, 3.3x CLV, 4x ZCLV, 8x ZCLV (8x disc: 3.3x , 8x)
	DVD-RAM	2x, 3x ZCLV, 5x PCAV(Ver.2.2) (16x disc: No support)
	M-DISC	2.4 CLV, 4x PCAV
	CD-R	10x CLV, 16x, 24x ZCLV
	CD-RW	4x, 10x CLV, 16x, 24x ZCLV
TRANSFER RATES - READ (MAX)	BD-ROM (SL/DL)	6x CAV / 6x CAV
	BD-R (SL/DL/TL)	6x CAV / 6x CAV / 6x CAV
	BD-R (LTH)	6x CAV max.
	BD-RE (SL/DL/TL)	6x CAV / 6x CAV / 2x CLV
	BD-MV	4.8x CAV max.
	DVD-ROM	8x CAV max.
	DVD-R (SL/DL)	8x/ 8x CAV
	DVD+R (SL/DL)	8x/ 8x CAV
	DVD-RW	8x CAV max.
	DVD+RW	8x CAV max.
	DVD-Video (CSS Compliant)	4x CAV max.
	DVD-RAM (Ver.2.2)	2x, 3x ZCLV, 5x PCAV
	M-DISC	8x / 8x CAV
	CD-R/RW/ROM	24x CAV max.
	CD-DA (Ripping/Audio Play)	24x CAV/ 10x CAV
OTHER FEATURES	Silent Play Jamless Play	
ACCESS TIME (1/3 STROKE)	BD-ROM	260ms typ.
	DVD-ROM	270ms typ.
	DVD-RAM	240ms typ.
	CD-ROM	260ms typ.
SUSTAINED RATE	BD-ROM	143.86 Mbits/s (6x) max.
	DVD-ROM	11.08 Mbytes/s (8x) max.
	CD-ROM	3,600 kB/s (24x) max.
BURST TRANSFER RATE	USB 2.0 480 Mbps	
BUFFER SIZE	4MB Buffer Under-run prevention function embedded	
HOST INTERFACE	External (Host)	USB 2.0 (480Mbits/s)
	Internal (Drive)	ATA8-ACS Revision 6 INF-8090i Ver. 7 Rev 1.21 INCITS xxx T10/1675D Revision 4
COMPLIANCE	RoHS	
	Safety UL:	UL 60950-1 First Edition
	C-UL:	CSA C22.2 No. 60950-1-07 Second Edition
	TÜV:	EN 60950-1 / EN60825-1
	SEMKO:	EN 60950-1 / EN60825-1
	EMC	CE Marking, C-Tick Mark, BSMI, VCCI, KCC, FCC Part 15 Class B Digital Device, ICES-003 Digital Apparatus
	Laser Safety	Class 1 laser product comply with DHHS rules 21 CFR Subchapter J Class 1 laser product to EN60825-1 / IEC 60825-1
OPERATING SYSTEMS	Windows 7, Windows Vista™, Windows XP	
SYSTEM REQUIREMENTS	CPU: Intel® Pentium® D 3.2GHz or Higher (with USB 2.0)	
	Recommended: Intel Pentium 4 Core 2 Duo P8600 2.4GHz or higher	
	HDD: 30GB or more of available space (60GB for Blu-ray Disc authoring)	
	RAM: 1GB or Higher	
	HDD: 60GB or more of available space	
	BD Movie Playback: CPU: Following CPU recommended -Intel: E6400 or higher	
	Graphic Card: Card recommended with following GPU (Graphic Processing Unit)	-nVidia: GeForce 7600GT or higher / GeForce 8400 or higher -ATI: ATI Radeon HD 2400 or higher Graphic Card Driver shall meet AACS compliance criteria.
DIMENSIONS (W x H x D)	6.29" x 0.86" x 6.02" (160 x 22 x 153mm)	
WEIGHT	0.8lbs (380g)	

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